

NEC SpectraView Reference 21

(NEC SpectraView LCD2180 WideGamut LED)



- High-end 21.3 inch LCD monitor with TFT SuperAdvanced SuperFine technology (SA-IPS) and innovative LED backlight
- Wide colour gamut:
more than 100 percent reproduction of the Adobe® RGB and NTSC colour space plus high luminance thanks to the LED light source and optimised light filters
- Variable backlight white point adjustment:
White point adjustment via the RGB LED backlight with no loss of brightness between 5,000 and 9,300K
- Quick start for calibration and daily work: internal LED feedback system for automatic colour calibration. Stabilises brightness and colour temperature values within less than one minute after switching on
- Optimum long-term stability:
feedback system ensures stable long-term brightness and colour performance
- ColorComp function:
Compensates for variations in the white homogeneity and improves colour and brightness homogeneity at the press of a button
- Colour tracking:
Improved performance in comparison to standard CCFL backlight systems, especially in dark areas
- Mercury-free LEDs for increased luminosity
- Extremely narrow bezel (19 mm)
- OmniColor™: sRGB and 6-axis colour control (RGBCMY, hue and saturation)
- Detachable light protection hood (black, lined with photo velvet)
- Ergonomics and safety in line with the latest standards including ISO 13406-2
- GammaComp: hardware calibration with 10-bit LUT (look up table) for 30-bit colour control and SpectraView Reference Profiler software
 - Software features:
L* calibration (CIE-LAB L*colour gamut), iterative calibration, gamma calibration, validation of profiles, optional integrated gamut compression, LUT-based 16-bit ICC profiles (instead of Matrix profiles only), support of well-known measurement devices, white point adjustment, greybalance calibration



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Panel Technology	SA-SFT-TFT (SuperAdvanced SuperFine Technology TFT, SA-IPS) with LED backlight
Screen Size [inch/cm]	21.3/54
Pixel Pitch [mm]	0.270
Viewing Angle	176° horizontal / 176° vertical (typ. at contrast ratio 10:1)
Contrast Ratio (typ.)	430:1
Brightness (typ.) [cd/m ²]	200 at 5.000 K - 9.300 K (without ColorComp)
Response Time (typ.) [msec]	20 (Ton + Toff)
Colour palette	More than 100% Adobe® RGB (up to 105.7% Adobe® RGB; up to 101% NTSC)
Maximum useable colour palette	30 bits (10 bits per colour) = 1,021 RGB colour values
Colours [million]	16.77
Horizontal Frequency [kHz]	31.5-91.1
Vertical Frequency [Hz]	50.0-85.0
Optimum Resolution	1600 x 1200 at 60 Hz
Other Resolutions	1280 x 1024; 1280 x 960; 1152 x 870; 1024 x 768; 832 x 624; 800 x 600; 640 x 480; 720 x 400; 720 x 350
Connectors	Digital: 2 x DVI-D
Plug & Play	VESA DDC/CI; DDC2B/2Bi; EDID Standard
Backlight/light source	Light emitting diodes
Adjust Functions	Colour Temperature Control; Sharpness; Brightness; Intelligent Power Management; Contrast; Monitor Information; OmniColor™: sRGB and 6-axis Colour Control; Programmable gamma correction; On-Screen-Manager (OSM) lock-out; Language Select
Safety and Ergonomics	CE; FCC Class B; UL/C-UL; VCCI (Class II); PCT Gost; TÜV ERGONOMIE; TÜV GS; ISO 13406-2 (Pixel Failure Class II);
Power Requirements on Mode (typ.) [W]	105 at 6.500 K
Power Requirements Power-saving Mode [W]	< 7
Power Supply	100-120 V/220-240 V; 1.1 A/0.5 A; integrated power supply; vacation switch
Ambient Temperature (operating) [°C]	5 to 35
Ambient Humidity (operating) [%]	30 to 80
VESA Mounting [mm]	100 x 100; Detachable stand
Dimensions (W x H x D) [mm]	473 x 461.7 x 211.9
Screen Tilt / Swivel [°]	-5 to +25
Bezel Width [mm]	19.0
Cable Management	yes
Kensington Lock	yes
Weight [kg]	18.3
Specials	Advanced NTAA (Non-Touch AutoAdjust); 10-bit video input; GammaComp (10-bit LUT for 30-bit colour control); Power Off Timer; Vacation Switch; NaViSet™ and NaViSet™ Administrator compatible; DDC-CI; Auto-Blacklevel; ColorComp; SpectraView Profiler Software;
Colour Versions	Black
Shipping Content	Monitor; Power Cable; Signal Cable; DVI-D/DVI-D; CD-ROM and manual for display; CD-ROM with SpectraView Profiler Software and manual; Detachable black light protection hood including accessories; SpectraView Certifier document
Warranty	3 years warranty including backlight

